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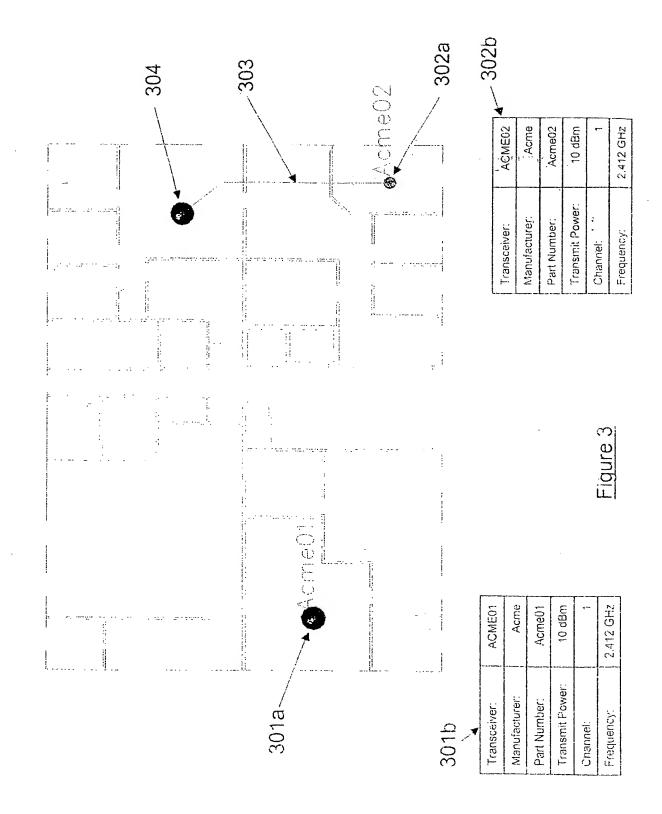
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101	Create/Modify site-specific model of environment
102	Position/Configure communication network equipment and infrastructure within site-specific model
103	Define set of possible network equipment types, configurations, and positions to consider in the analysis
104	Predict current communication network performance
105	Set desired performance metrics to improve and begin iterative loop
106	For each piece of network equipment
107	For each possible type of equipment
108	For each possible configuration and position for the piece of equipment
109	Update equipment type, configuration, and position
110	Predict communication network performance
1.	If new communication network performance is more desirable than previous, store current equipment types, settings, and positions
112	End iterative loop
113	Report optimal equipment type/configuration/position combinations that achieve most desirable network performance
114	Update equipment types and/or configurations and/or positions

Figure 1

Figure 2



			Company of Company and American Company in Proceedings of the Company of the Comp		aryan o gada cano capeta e sestituta e es	en e
POR	Manufacturer	Par #	Description	Loss (dB per 100 meters)	Connections	Loss (dB per 100 meters) Connections Physical Eost (per meter)
			Cope N. Incle 7, and	1050 1000 300 00 40		300 00
42 CONNECTOR	Naida	33724-2	Type N Female 2-way power divider	0.30	3	. 65.00
TAN TANK BOIN MARK TERROR		ATSA110	ATG Unity Gain DMNI Indoor Active U. 1000	10.00		25.00
AP CONNECTOR			10d8 Multifrequency Tap	0.50	2.	20:00
PARI F. T. BES Cablewave	PFS Cablewave	HCA78-50VFP	7/8" Air Dielectric, Plenum, Corrugated	0.63	2	15.19
PASI E PES Cablewave	RFS Cablewave	LCF78 50JFRN	7/8" FLEXWELL Foam Fire Retardant	0.64	Z.	3.19
L'ARI E	Celwave	810929-001	7/8" Flexwell Air Dielectric cable	7.10	2	3.71
	Acme	9983.A	FlexMax Air Dielectric	13.00	2	2.69
	Antel	LPD 7308	60 deg, Hor.	. 000	11 李 珍	1.00
T ANTENNA POINT	Antel	LPD 7907	Sú deg. Hor.	0.00	· ·	1.00
4 ANTENNA POINT	Antel	LPD 7907/8	80 deg. Hor.	. 000	_	1.00
ANTENNA POINT	Årilel	LPD 7905	32 deg. Hor.	000		1.00
STATE NINE POINTE PARES	And	LP0 7905/2	S2 (6g 15g	200 C		00'1
A ANTENNA POINT	Antel	LP0 7305/8	92 deg. Hor	0.00		1.00
SANTENNA POINT	Antel	BCR 80010:180	Directional special shaped pattern	0.00	T.	1.00
ZANTENNA POINT		BCD 8007	OMM 15 deg. Va.	0.00	٠.	1.00
A ANTENNA POINT	latura.	BCR 80010:270	special shaped pattern	0.00	·	1.00
ANTENNA POINT		ALP8009 N20T	80 dag 3 d8 Gain with 20 dag, D/T	0.00		0.00
A ANTENNA POINT	állen Telennm	5SPP2933 1850	d8 OWNEPDA 1850-1990 ORB dec. 3		ru l'	נוטט
				/	<i>.</i> !	

Figure 4

					Contract of the Contract of th	Control of the Contro
Type	Manufacturer	Part#	Description	Loss (dB.	Connections	Loss (dB. Connections Physical Cost. 🛧
★ AMPLIFIER	Cellular Specialties	CSI-80A110	In Building Amplifier Model 110 SMR Band	-40.00	M	0.00
A AMPUPIER	Cellular Specialties	CSI-80A110	In-Building Amplifier Model 110, SMR Band	30.06	l'N	0.00
★ AMFLIFIER	Cellular Specialties	CSI-8DA110	In-Building Amplifier Model 110 SMR Band	20.00	64	0.00
★ AMPLIFIER	Cellular Specialties	CSI-80A120	In-Building Amplifier Model 120 SMR Band 10 dB	. 10.00	ca ca	0.00
	3 			20.01	Ç	800

Figure 5

601

Figure 6

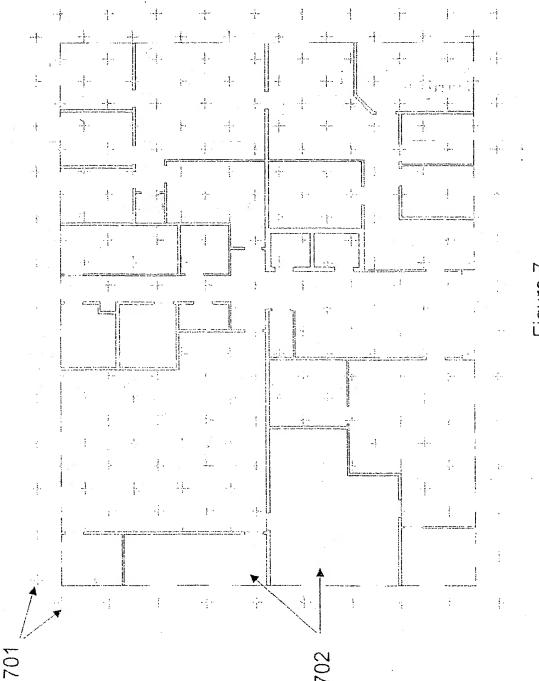
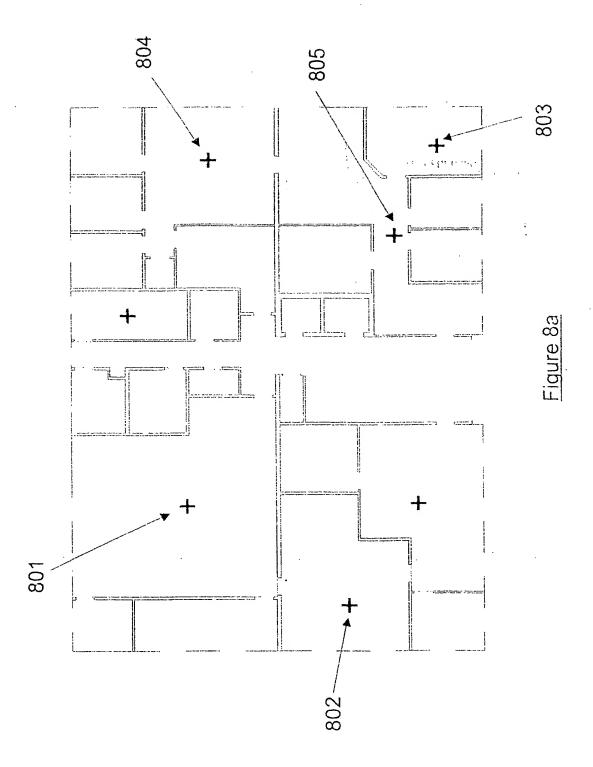
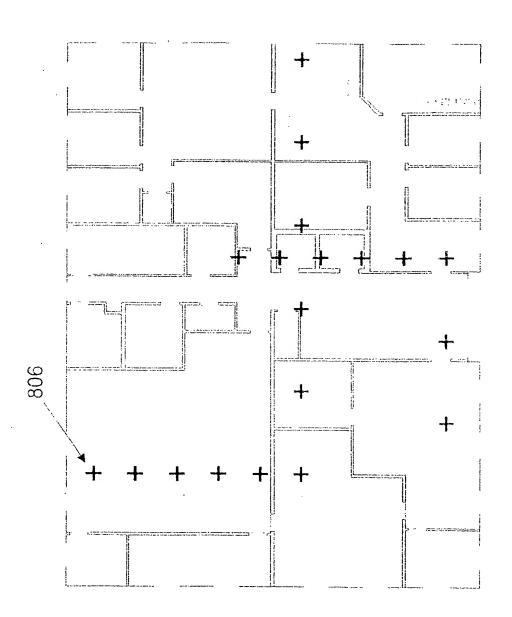


Figure 7





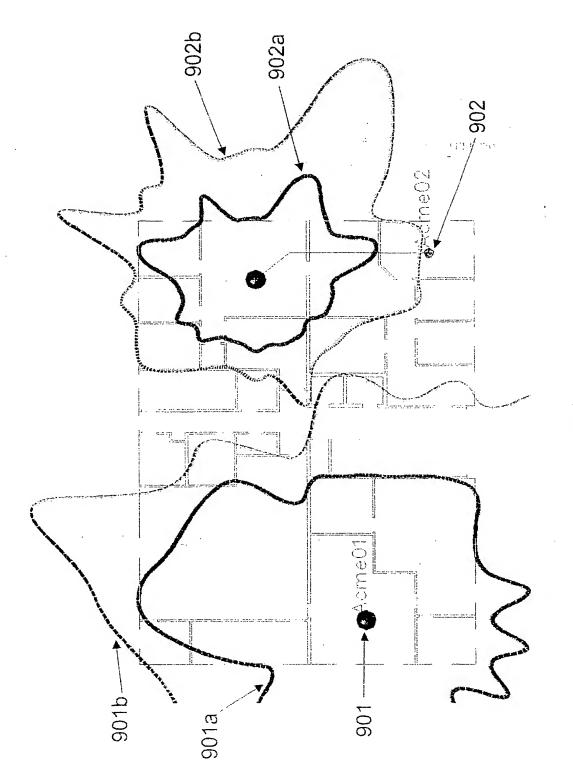
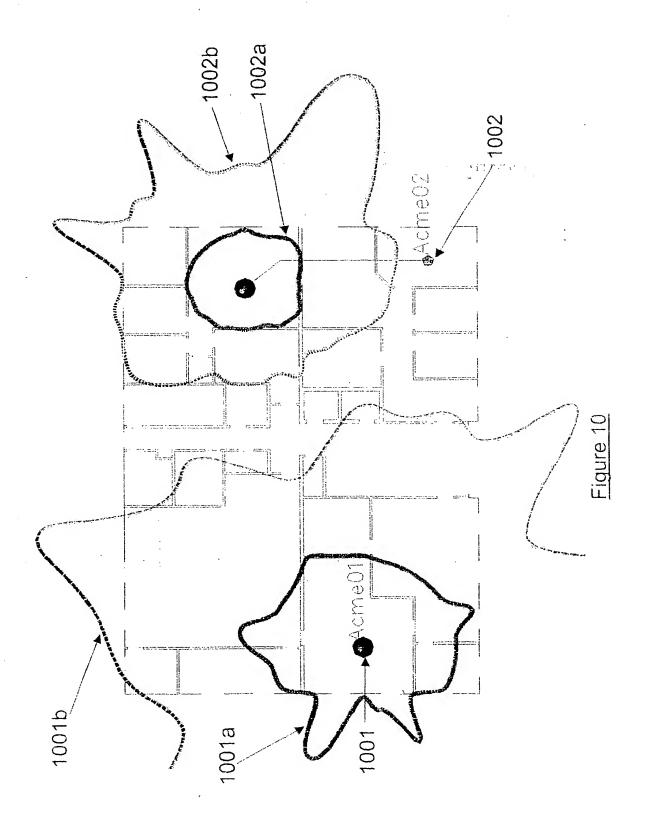
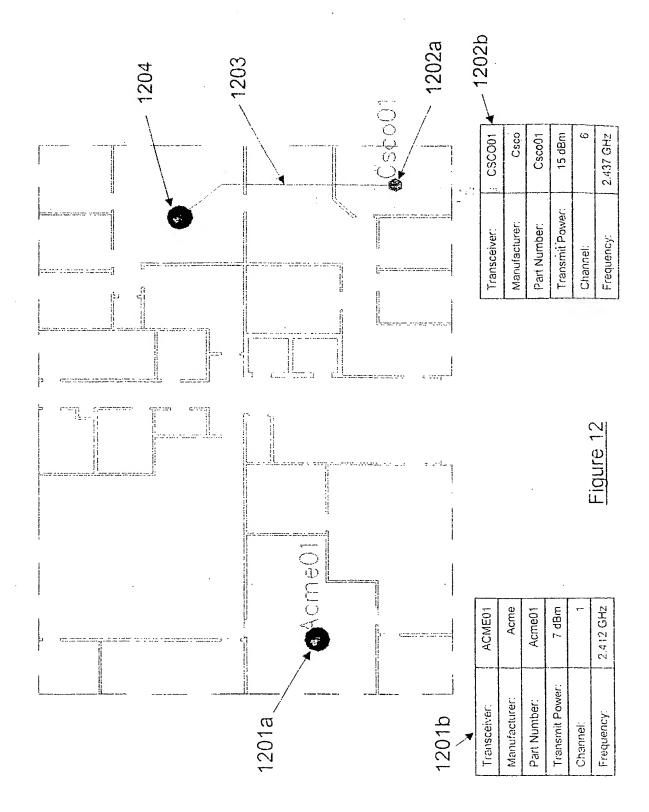


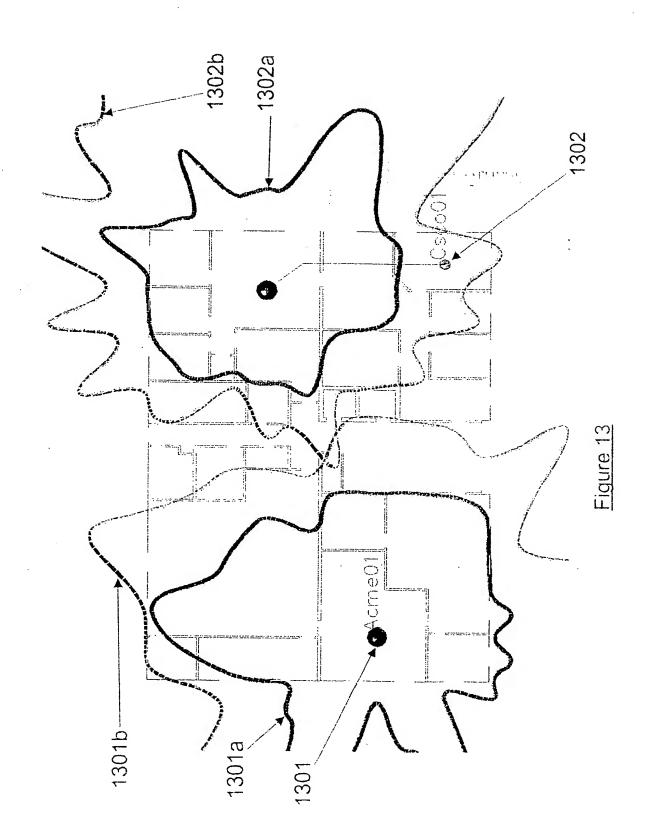
Figure 9



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Figure 11





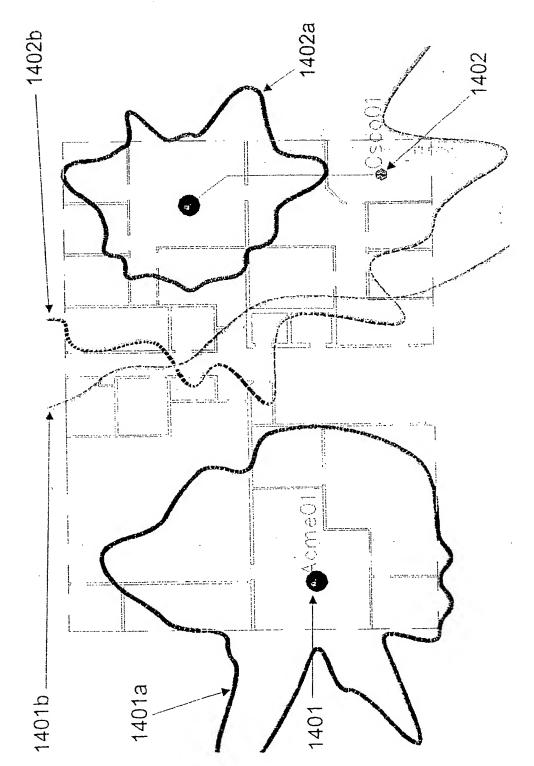
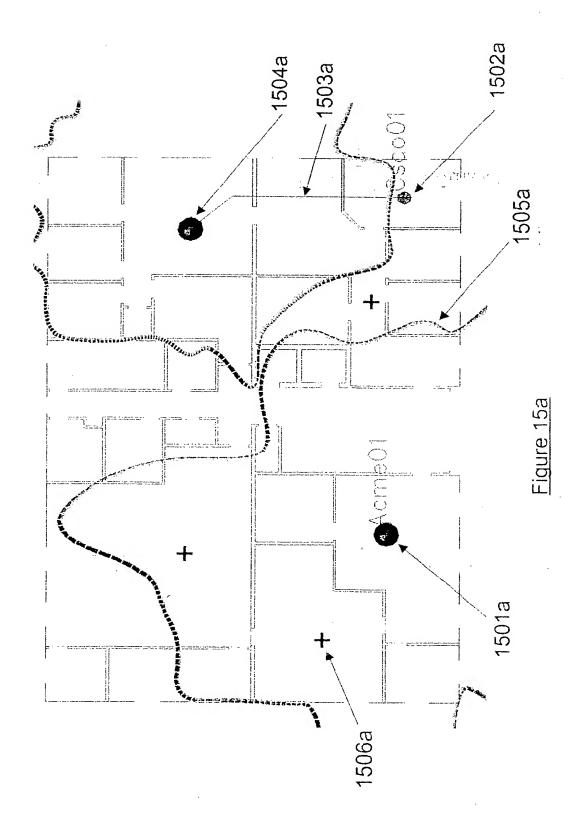


Figure 14



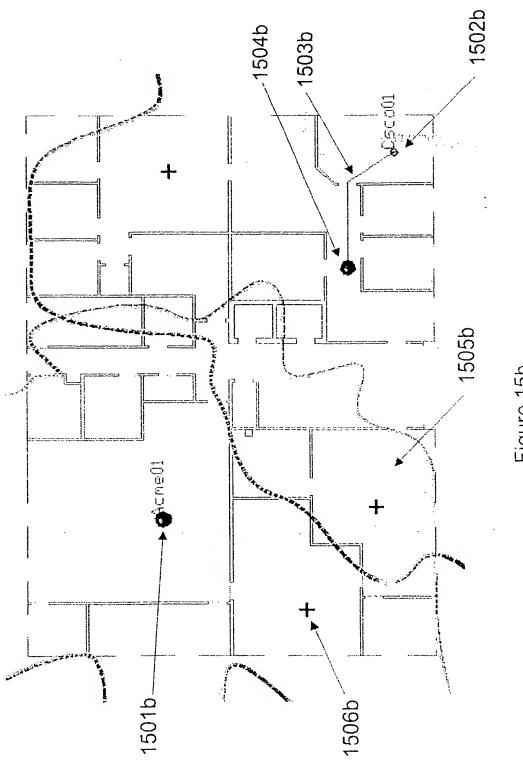
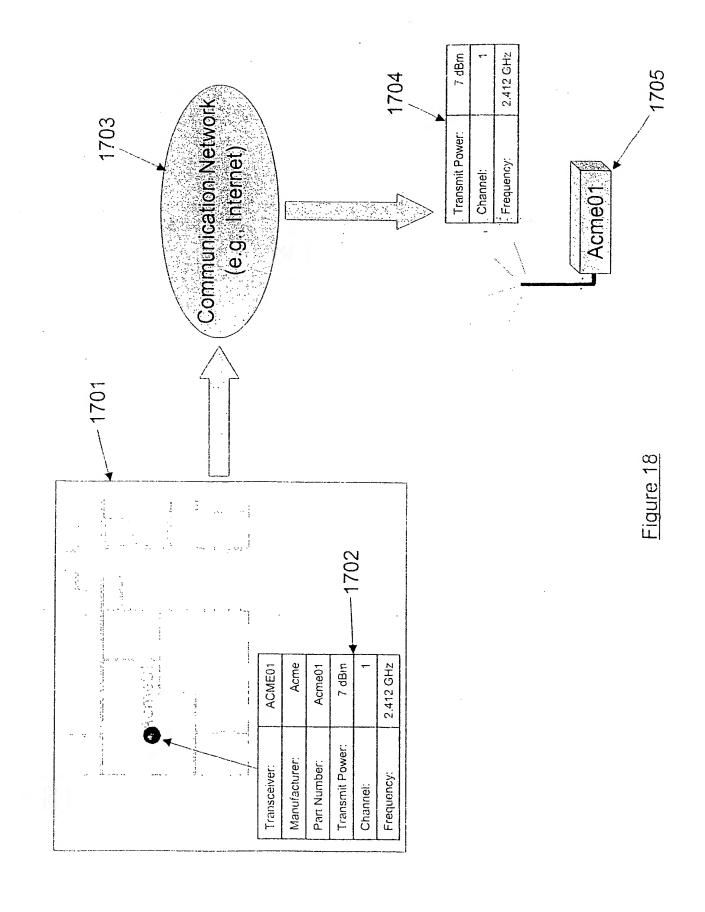


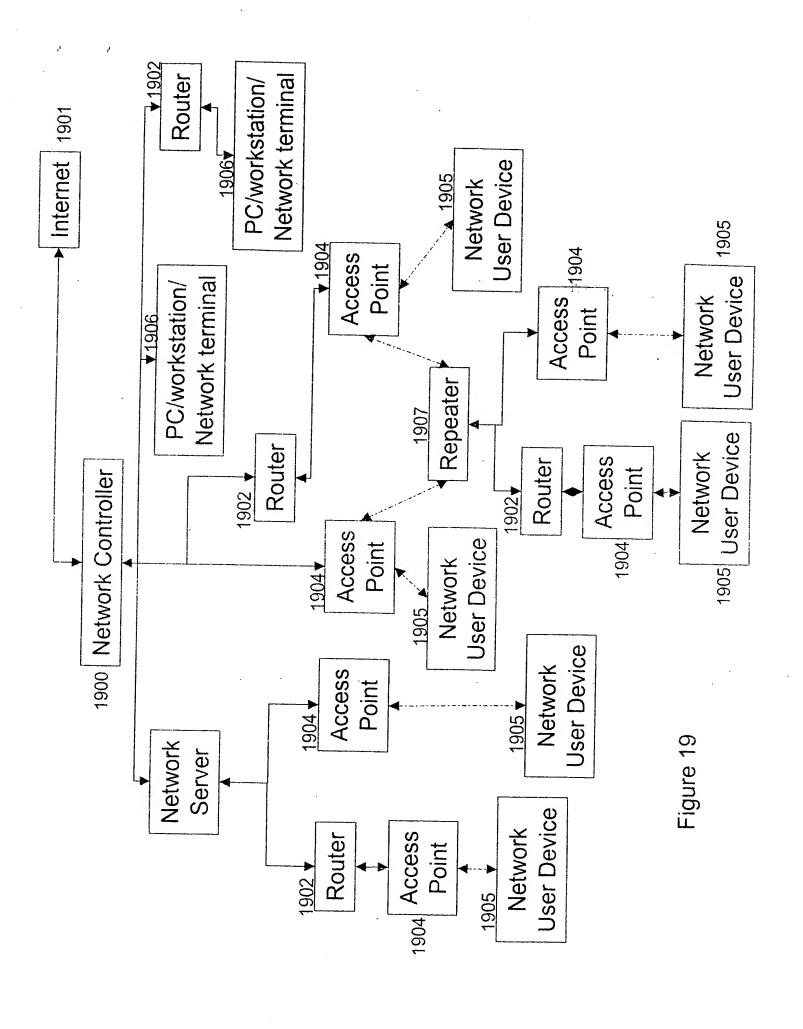
Figure 15b

Figure 16

101	Create/Modify site-specific model of environment
103	Define set of possible network equipment types, configurations, and positions to consider in the analysis
105	Set desired performance metrics to improve and begin iterative loop
106	For each piece of network equipment
107	For each possible type of equipment
108	For each possible configuration and position for the piece of network equipment
109	Position, interconnect, and configure selected equipment
110	Predict communication network performance
	If new communication network performance is more desirable than previous, store current equipment types, settings, and positions
112	End iterative loop
1. 33	Report optimal equipment type/configuration/position combinations that achieve mostidesirable network performance
114	Update equipment types and/or configurations and/or positions

Figure 17





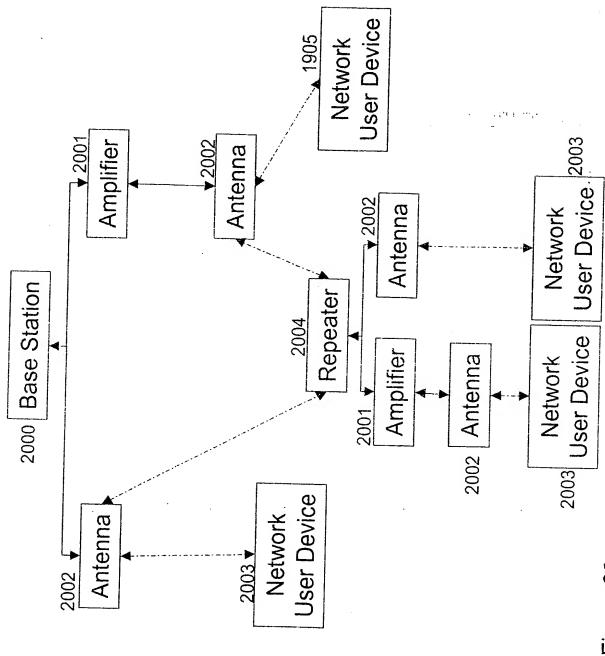
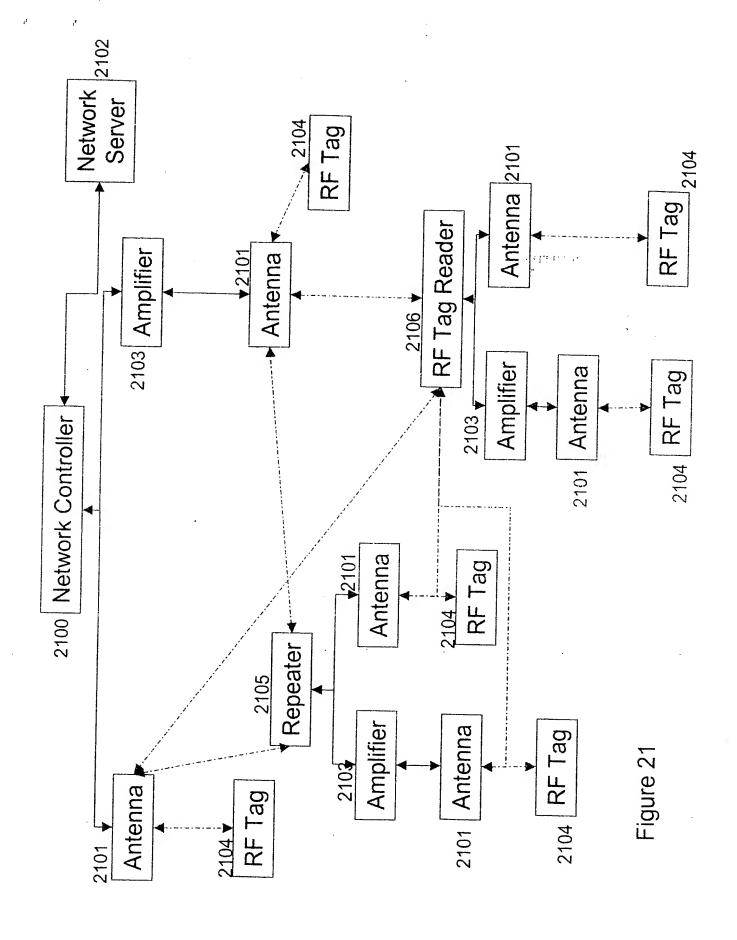
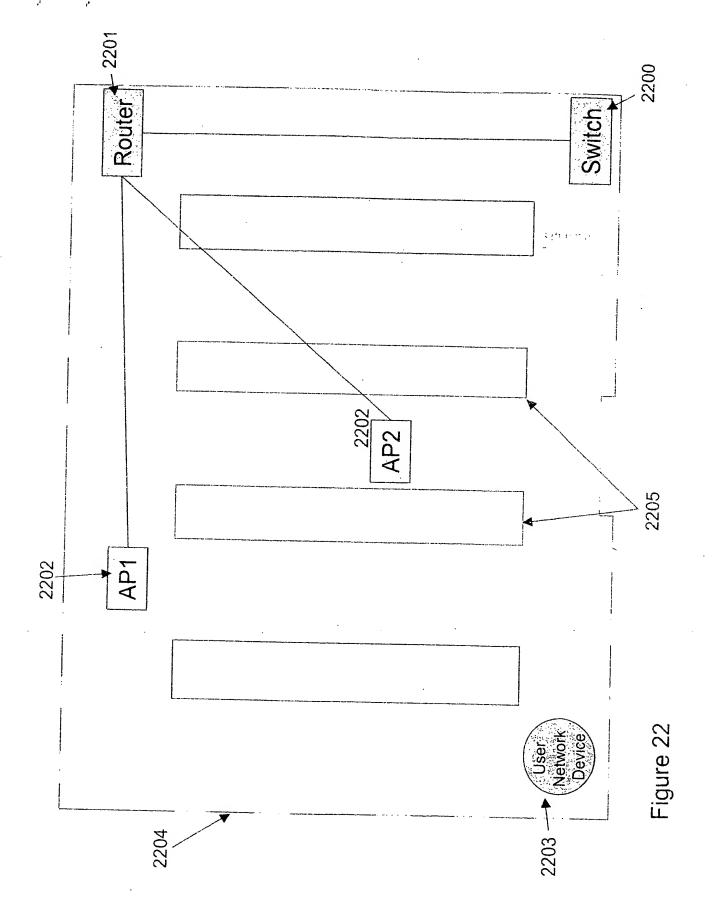
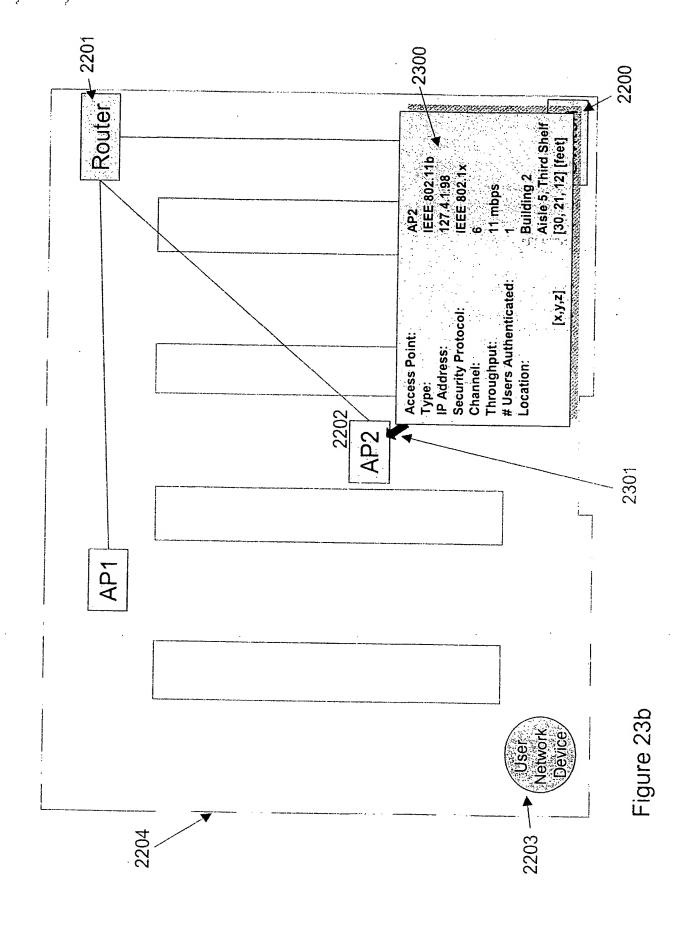


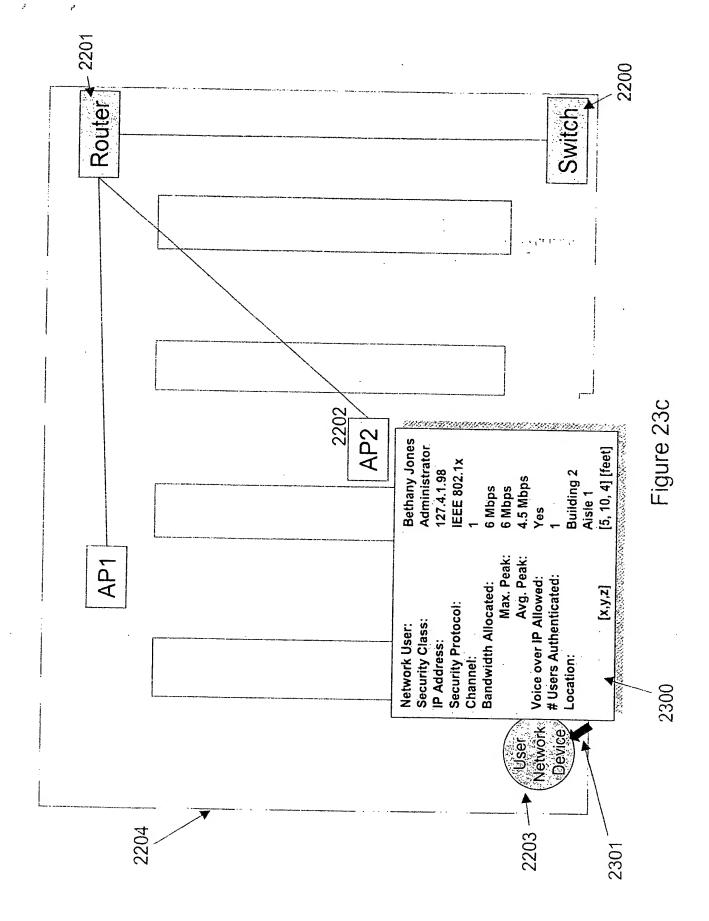
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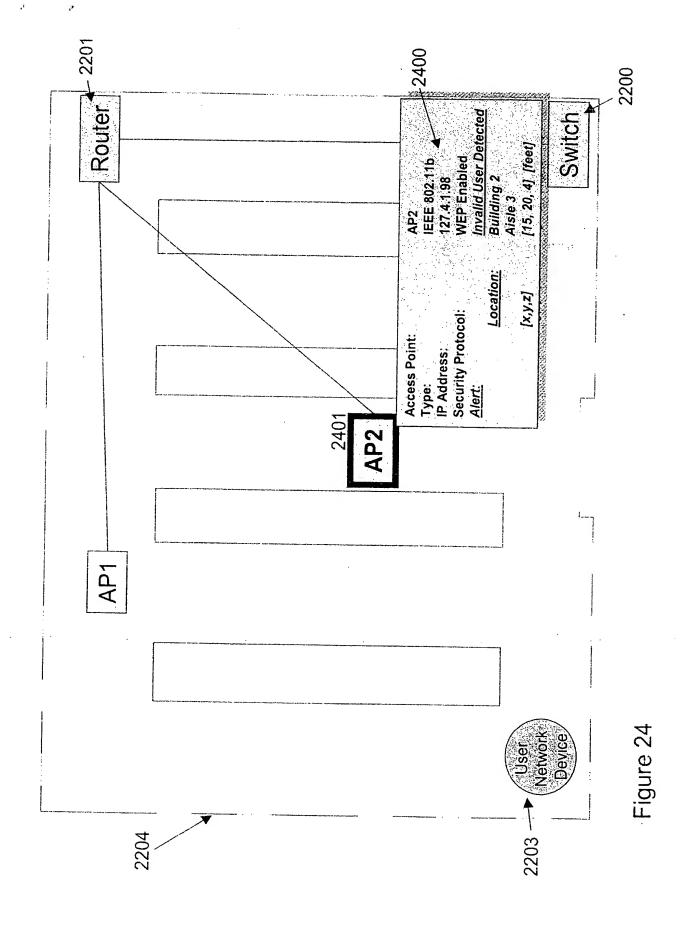


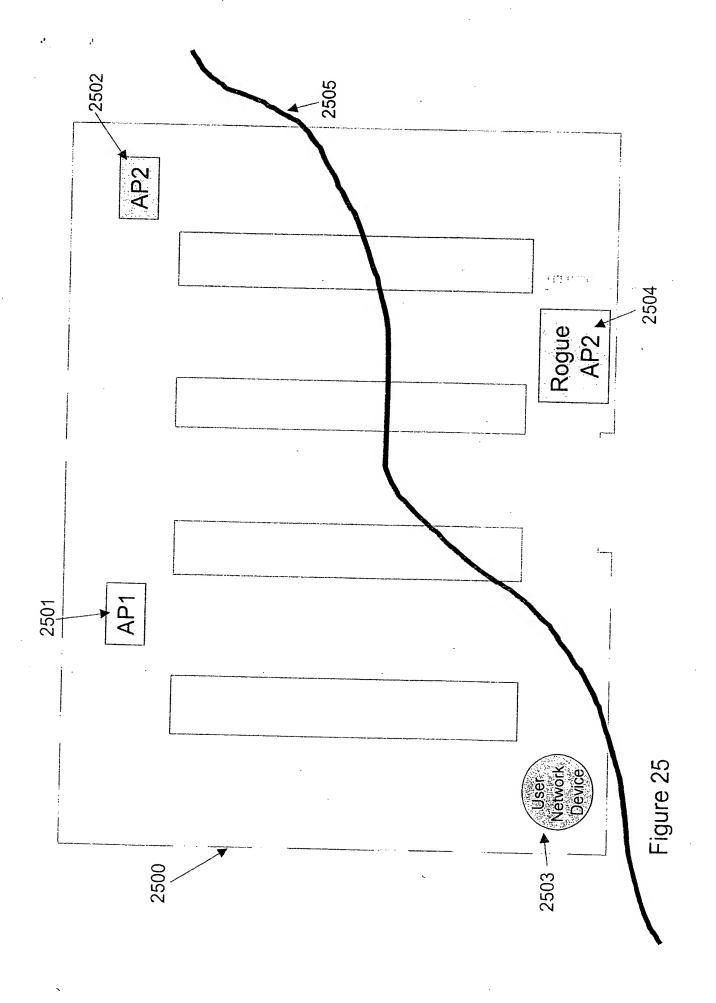


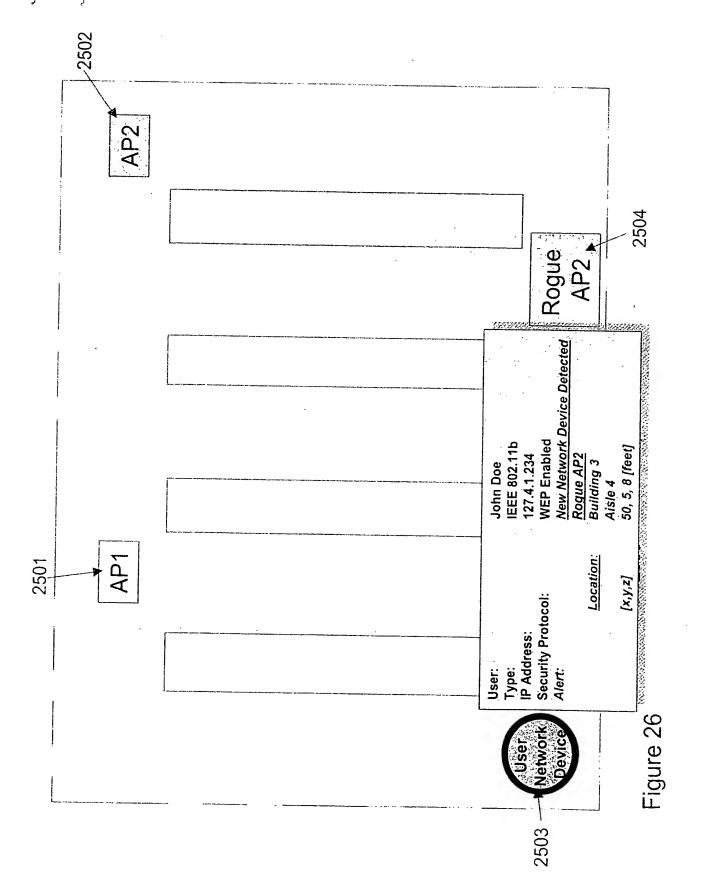
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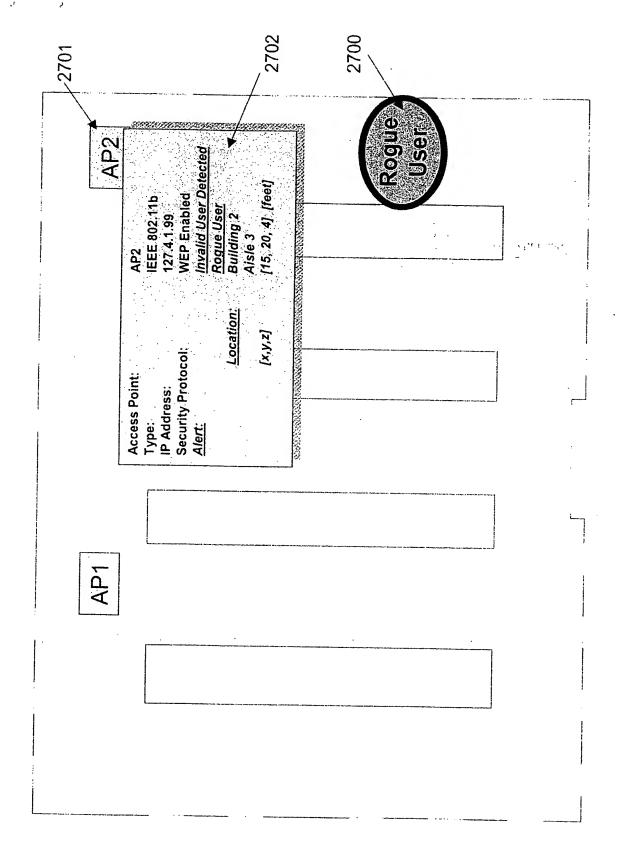
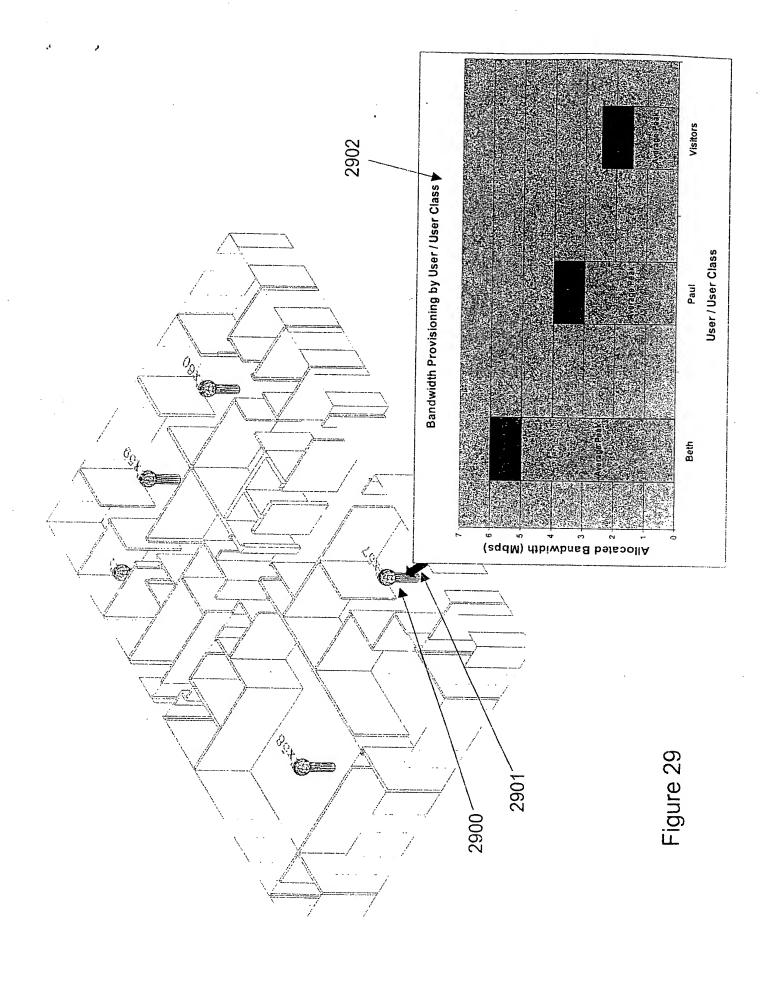
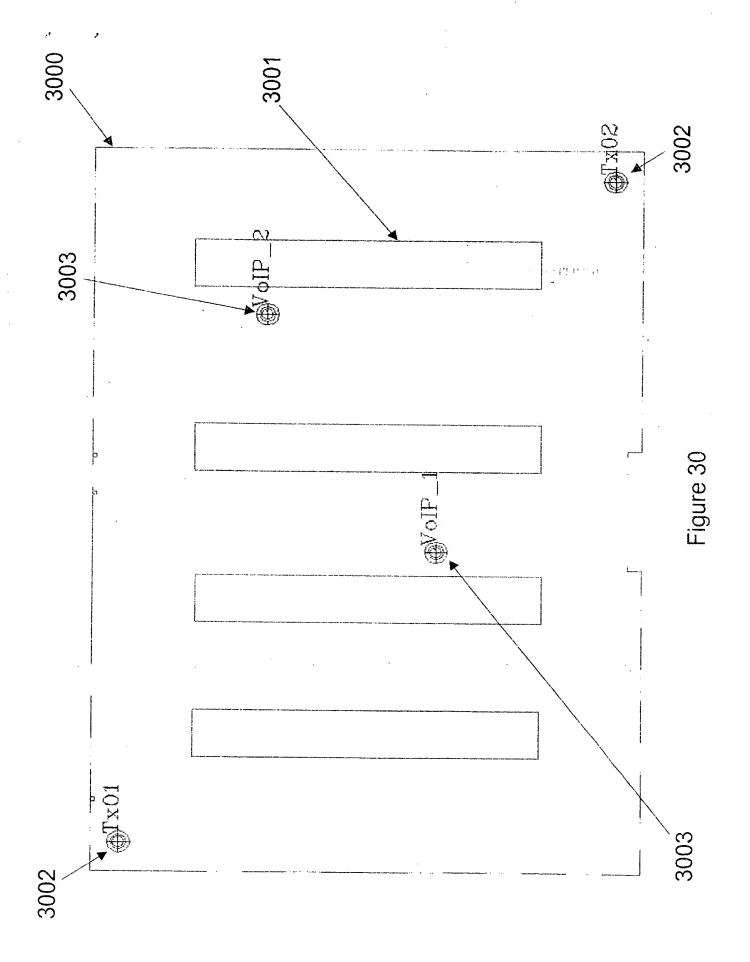
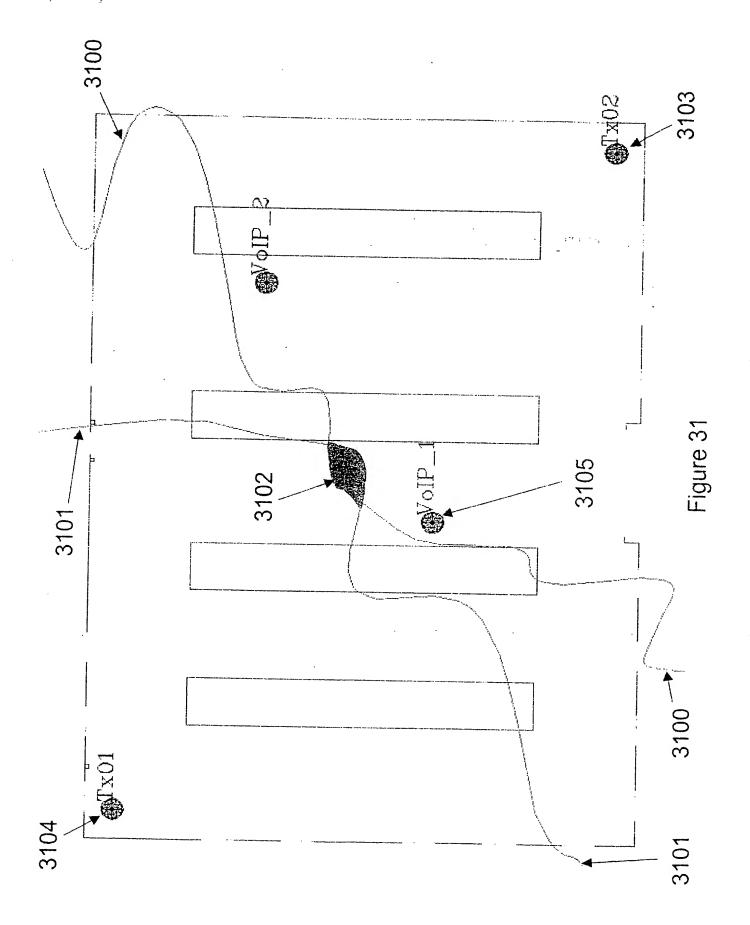
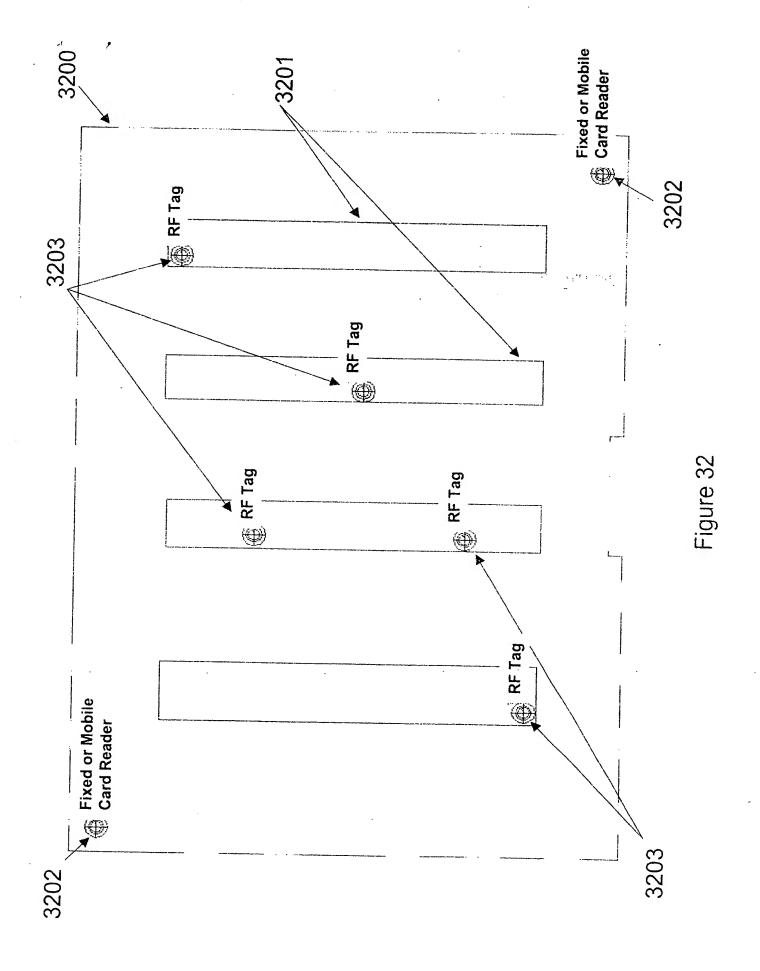


Figure 27









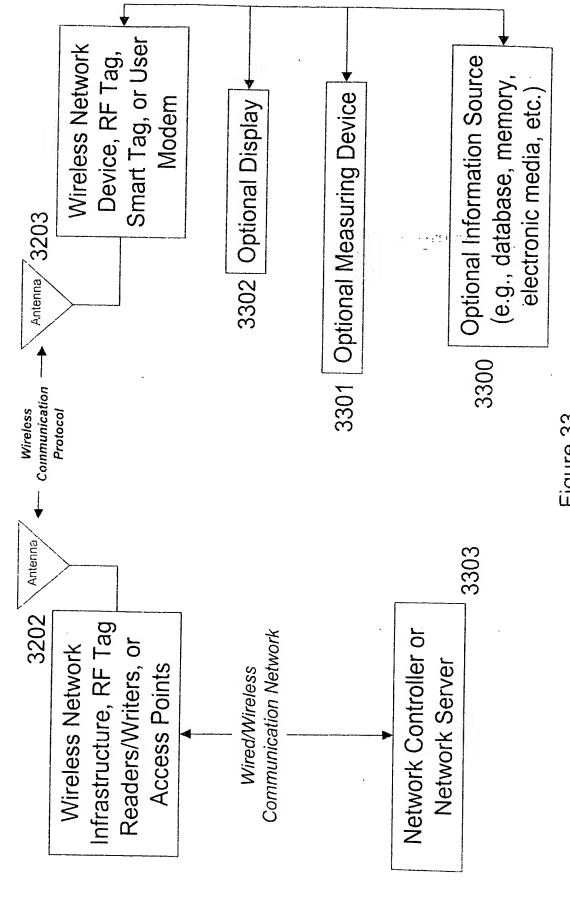
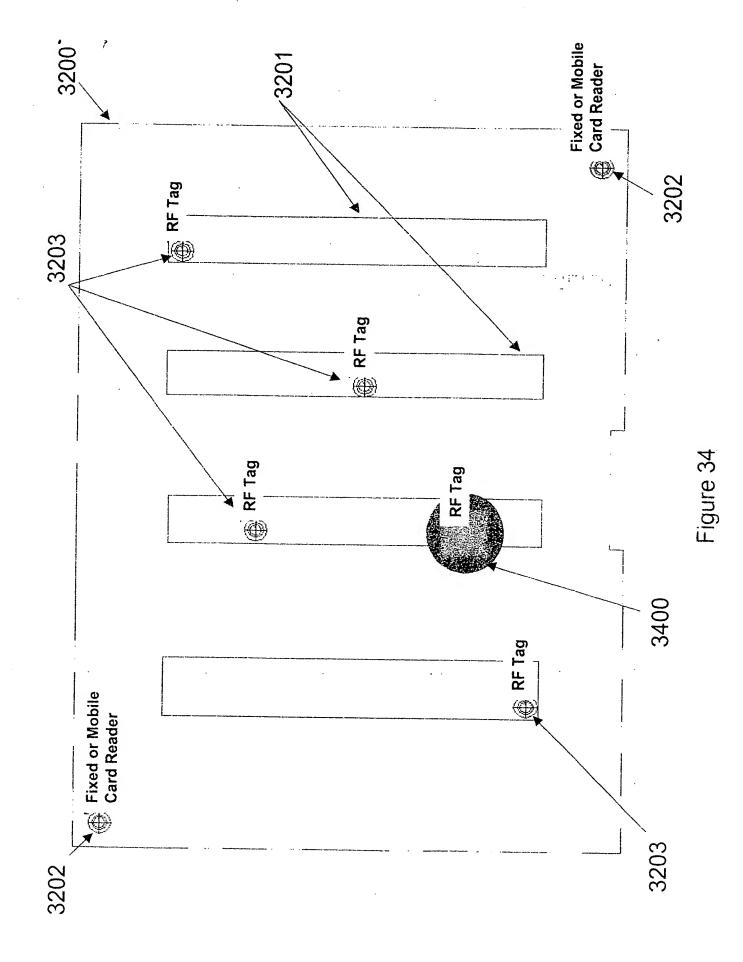


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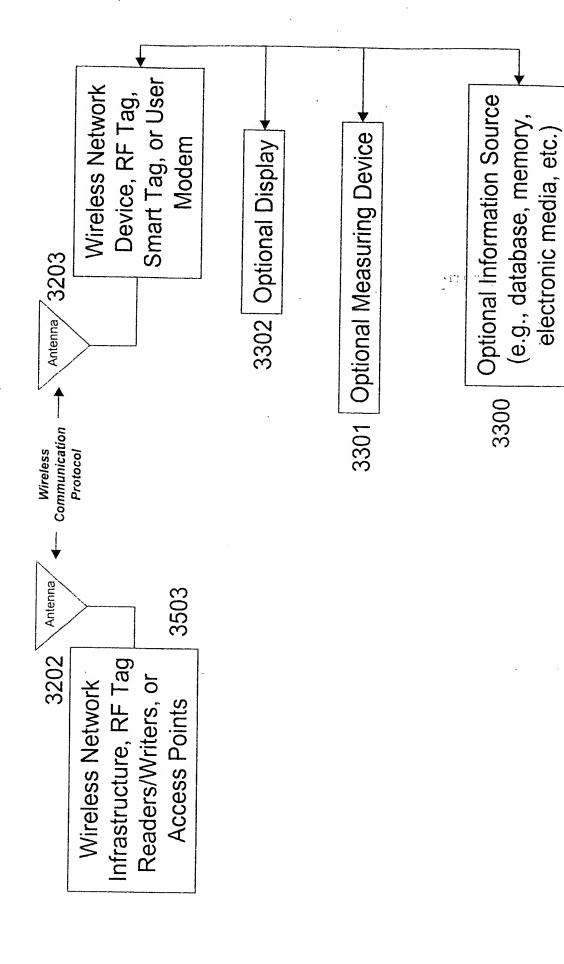


Figure 35

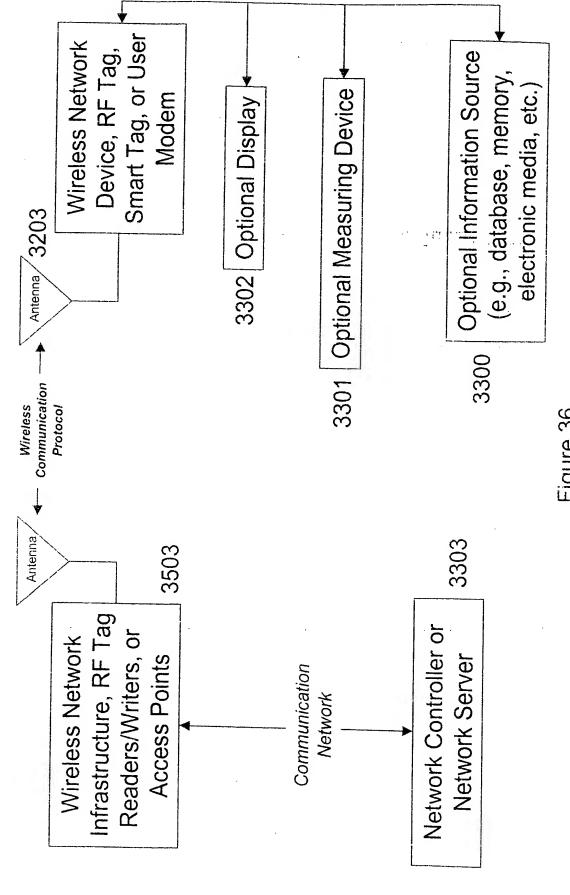


Figure 36